Abstract Submitted
for the MAS14 Meeting of
The American Physical Society

Osmotic Pressure of E.coli in Suspension WENXIN HUANG, Lehigh University — The non-equilibrium statistical mechanics of active particles have raised considerable interest over the recent years. Here, we investigate the thermodynamic properties (i.e. osmotic pressure and effective temperature) by dielectrophoresis (DEP) and the single particle behaviors by tracking E. coli's movements (i.e. mean-square-displacement and diffusivity) in order to characterize the motion activities of E. coli.

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Date submitted: 28 Aug 2014 Electronic form version 1.4